dication No.: 10/595,245 Atty. Docket No.: P33779US

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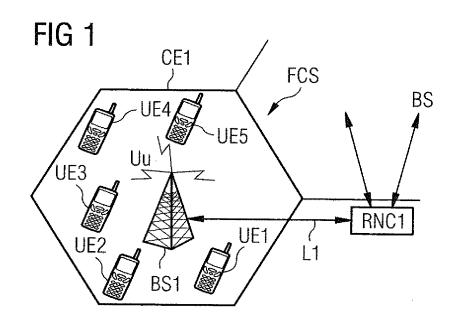


FIG 2 C-Plane U-Plane C-Plane U-Plane RB RB RB RB RRC RRC PDCP BMC PDCP **BMC** SRB SRB **RLC RLC** Log MAC MAC Transp Phys. Phys. Phys. Phys

BS

**RNC** 

UE

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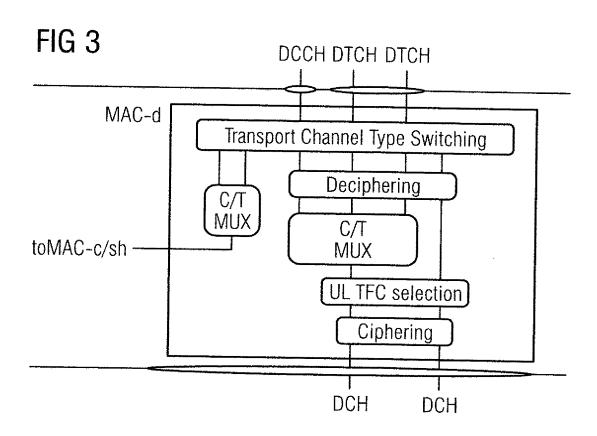
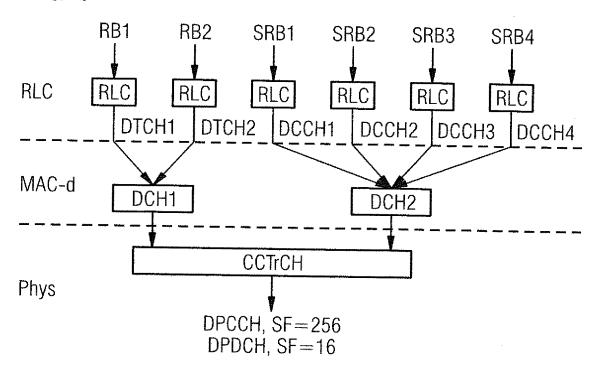


FIG 4



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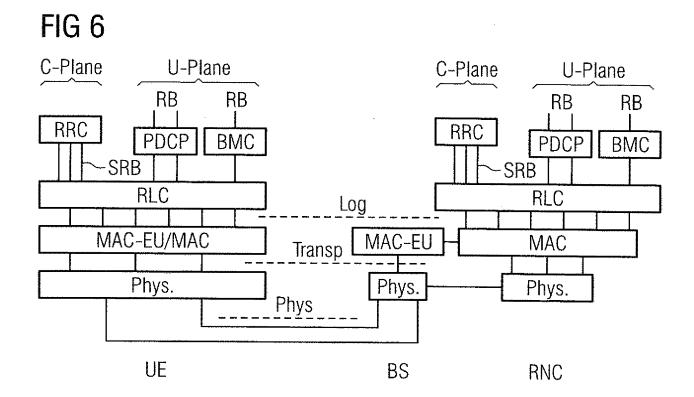
DCH1 DCH2

TB3
TB2
TF1 TB1

TFC8

CCTrCH

DPDCH



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FIG 7A

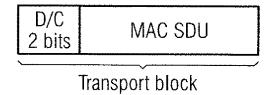
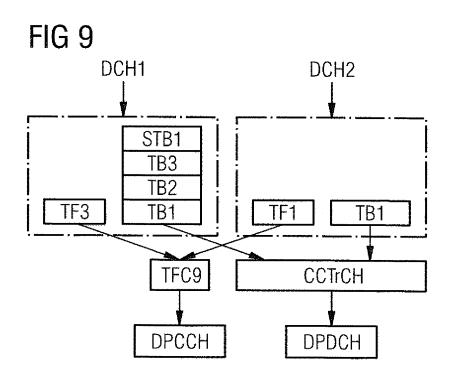


FIG 7B

D/C 2 bits	D/T 4 bits	MAC SDU
	Tran	sport block

FIG 8

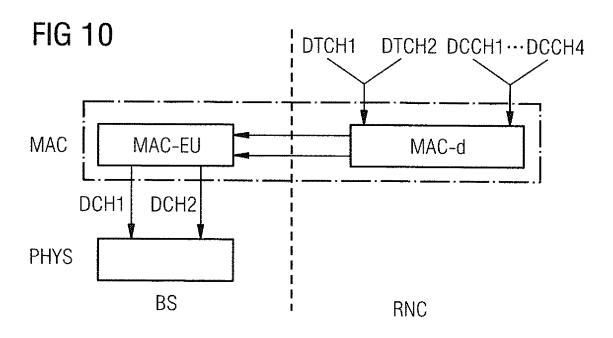
TN UL TN DL Poll k bits k bits 1 bit		MT MPn Flag-n Pad 3 bits m <sub>n</sub> bit 1 bit Pad	
--------------------------------------	--	---	--

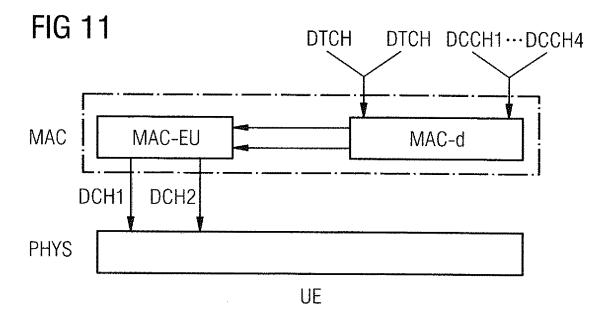


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## FIG 12

## Table 1

RRC	Signaling Radio Bearer	SRB1	SRB2	SRB3	SRB4
RLC	Log. channel type	DCCH	DCCH	DCCH	DCCH
	RLC mode	UM	AM	AM	AM
	Packet size	136 bits	128 bits	128 bits	128 bits
	Priority of logical channel	1	2	3	4
MAC	Multiplexing	Mulitplexing of 4 log. channe		nannels	
	Transport channel type		D	CH	
	Transport block size	148 bits			
Phys.	Transport format set (TFS)	TF0 = 0x148  bits TF1 = 1x148  bits			
layer	TTI	40 ms			
	Coding type	Rate 1/3 convolutional coding			
	CRC length		16	bits	

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# FIG 13

### Table 2

RRC	Radio Bearer	RB1	RB2	
	Log. channel type	DTCH	DTCH	
	RLC mode	AM	AM	
RLC	Packet size	320 bits	320 bits	
	Priority of logical channel	1	1	
MAC	Multiplexing	Mulitplexing of 2 log. channe		
	Transport channel type	DCH		
	Transport block size	340	bits	
Phys	Transport format set (TFS)	TF0 = 0x340  bits $TF1 = 1x340  bits$ $TF2 = 2x340  bits$ $TF3 = 3x340  bits$ $TF4 = 4x340  bits$		
	TTI	20 ms		
	Coding type	Rate 1/3 turbo coding		
	CRC length	16	bits	

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**FIG 14** 

Table 3

TFCS SIZE	10	
TFC0	(TF0, TF0)	
TFC1	(TF1, TF0)	
TFC2	(TF2, TF0)	
TFC3	(TF3, TF0)	
TFC4	(TF4, TF0)	
TFC5	(TF0, TF1)	
TFC6	(TF1, TF1)	
TFC7	(TF2, TF1)	
TFC8	(TF3, TF1)	
TFC9	(TF4, TF1)	

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# FIG 15

#### Table 4

RRC	Radio Bearer	RB1	RB2	
	Log. channel type	DTCH	DTCH	
RLC	RLC mode	AM	AM	
	Packet size	160 bits 160 bits		
	Priority of logical channel	1	1	
MAC	Multiplexing	Mulitplexing of 2 log. channe		
	Transport channel type	DCH		
	Transport block size	182 bits		
Phys	Transport format set (TFS)	TF0 = 0x182 bits TF1 = 1x182 bits TF2 = 2x182 bits TF3 = 4x182 bits TF4 = 6x182 bits TF5 = 8x182 bits		
	TTI	20 ms		
	Coding type	Rate 1/3 turbo coding		
	CRC length	16	bits	

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FIG 16

Table 5

TFCS SIZE	12	
TFC0	(TF0, TF0)	
TFC1	(TF1, TF0)	
TFC2	(TF2, TF0)	
TFC3	(TF3, TF0)	
TFC4	(TF4, TF0)	
TFC5	(TF5, TF0)	
TFC6	(TF0, TF1)	
TFC7	(TF1, TF1)	
TFC8	(TF2, TF1)	
TFC9	(TF3, TF1)	
TFC10	(TF4, TF1)	
TFC11	(TF5, TF1)	